

Appl. No. 10/019,636
Amrd. Dated November 26, 2003
Reply to Office Action of September 5, 2003

Amendments to the Claims:

This listing will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A butyl rubber composition, composition for use as a molding material for sealing of a carbon dioxide refrigerant which comprises 100 parts by weight of butyl rubber and 30 to 150 parts by weight of carbon black having a CTAB (cetyltrimethylammonium bromide) specific surface area of 30 to 100 m²/g.

Claim 2 (original): A butyl rubber composition according to Claim 1, wherein 10 to 100 parts by weight of a flat filler having an average particle size of 1 to 40 µm and an aspect ratio of 5 or more and 0.05 to 5 parts by weight of a coupling agent of organometallic compound are further contained.

Claim 3 (original): A butyl rubber composition according to Claim 1 for use as a molding material for use in carbon dioxide.

Claim 4 (original): A butyl rubber composition according to Claim 3 for use as a molding material for air conditioner sealing materials.

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Claim 5 (original): A butyl rubber composition according to Claim 4 for use as a molding material for air conditioner squeeze packings.

Claim 6 (original): A butyl rubber composition according to Claim 2 for use as a molding material for use in carbon dioxide.

Claim 7 (original): A butyl rubber composition according to Claim 6 for use as a molding material for air conditioner sealing materials.

Claim 8 (original): A butyl rubber composition according to Claim 7 for use as a molding material for air conditioner squeeze packings.

Claim 9 (new): A sealing material for a carbon dioxide refrigerant molded from the butyl rubber composition of claim 1.

Claim 10 (new): A sealing material according to Claim 9, wherein the sealing material is a material for air conditioner seals.

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Claim 11 (new): A sealing material according to Claim 10, wherein the sealing material is a material for air conditioner squeeze packings.

Claim 12 (new): A butyl rubber composition formulated so that carbon dioxide is substantially non-soluble in the composition, which butyl rubber composition consists essentially of 100 parts by weight of butyl rubber and 30 to 150 parts by weight of carbon black having a CTAB (cetyltrimethylammonium bromide) specific surface area of 30 to 100 m²/g.

Claim 13 (new): A butyl rubber composition according to Claim 12, further comprising a filler material.

Claim 14 (new): A butyl rubber composition according to Claim 13, further comprising an organometallic coupling agent.

Claim 15 (new): A butyl rubber composition according to Claim 14, further comprising a cross-linking agent.

Claim 16 (new): A carbon dioxide resistant sealing element that comprises butyl rubber composition which includes 100 parts by weight of butyl rubber and 30 to 150 parts by weight of carbon black having a CTAB (cetyltrimethylammonium bromide) specific surface area of 30 to 100 m²/g.